

ITI Quiz - 27-Aug-2026

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Q. ID: ITISKILL6358RK

August 2026

Answer Key

Duration: 30 Mins

Total Marks: 25

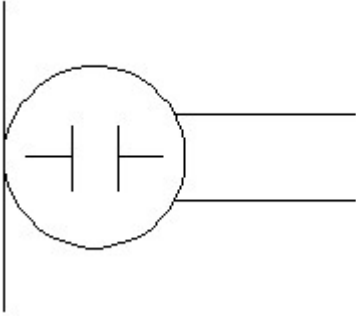
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1. What is the effect of moist air present inside the hermetic system?

- A) Less wear and tear in compressor
- B) Harmful to the compressor and motor
- C) Capacity of compressor will increase
- D) Increase the life of compressor

Answer: B) Harmful to the compressor and motor

2. What is the name of the symbol? | ಚಿಹ್ನೆಯ ಹೆಸರೇನು?



- A) Loud speaker | ಲೌಡ್ ಸ್ಪೀಕರ್
- B) Dynamic microphone | ಡೈನಾಮಿಕ್ ಮೈಕ್ರೋಫೋನ್
- C) Condenser microphone | ಕಂಡೆನ್ಸರ್ ಮೈಕ್ರೋಫೋನ್
- D) Microphone | ಮೈಕ್ರೋಫೋನ್

Answer: C) Condenser microphone | ಕಂಡೆನ್ಸರ್ ಮೈಕ್ರೋಫೋನ್

3. How the difference between the synchronous speed and the actual rotor speed is specified?

- A) Trip
- B) Slip
- C) Lead
- D) Lag

Answer: B) Slip

4. What is the use of a starting capacitor in single phase induction motor?

- A) Improve power factor
- B) Decrease starting torque
- C) Dis connect starting winding
- D) Increase starting torque

Answer: D) Increase starting torque

5. Why the top of dome is hot in a scroll compressor?

- A) Undercharged system
- B) Discharge plenum is at top
- C) Suction gas not cooled
- D) Suction super heat is less

Answer: B) Discharge plenum is at top

6. What is the centre of gravity of a sphere?

- A) On the circumference
- B) At the centre
- C) At the radius
- D) At the diameter

Answer: B) At the centre

7. Which motor has the least starting torque?

- A) CSR
- B) RSIR
- C) CSIR
- D) PSC

Answer: B) RSIR

8. Identify the switch in the given picture. | ನೀಡಿರುವ ಚಿತ್ರದಲ್ಲಿ ಸ್ವಿಚ್ ಅನ್ನು ಗುರುತಿಸಿ.



- A) Tumbler Switch | ಟಂಬ್ಲರ್ ಸ್ವಿಚ್
- B) Intermediate Switch | ಮಧ್ಯಂತರ ಸ್ವಿಚ್
- C) Toggle Switch | ಟಾಗಲ್ ಸ್ವಿಚ್
- D) Flux type switch | ಫ್ಲಕ್ಸ್ ಪ್ರಕಾರದ ಸ್ವಿಚ್

Answer: A) Tumbler Switch | ಟಂಬ್ಲರ್ ಸ್ವಿಚ್

9. Voltage less than 250 volt is called _____. | 250 ವೋಲ್ಟ್‌ಗಿಂತ ಕಡಿಮೆ ವೋಲ್ಟೇಜ್ ಅನ್ನು _____ ಎಂದು ಕರೆಯಲಾಗುತ್ತದೆ.

- A) HT (High Tension) | HT (ಅಧಿಕ ಒತ್ತಡ)
- B) EHT (Extra High Tension) | EHT (ಹೆಚ್ಚುವರಿ ಅಧಿಕ ಒತ್ತಡ)
- C) MT (Medium Tension) | MT (ಮಧ್ಯಮ ಒತ್ತಡ)
- D) LT (Low Tension) | LT (ಕಡಿಮೆ ಒತ್ತಡ)

Answer: D) LT (Low Tension) | LT (ಕಡಿಮೆ ಒತ್ತಡ)

10. What is the centre of gravity of a rectangular body?

- A) At the point of intersection of its diagonals
- B) Longer side of rectangle
- C) At the corners
- D) Shorter side of rectangle

Answer: A) At the point of intersection of its diagonals

11. Which is used to connect the rotor bars in 3phase squirrel

cage induction motor?

- A) Screw
- B) Nut and bolt
- C) End ring
- D) Welded

Answer: C) End ring

12. What is the physical condition of refrigerant in hermetic dome of rotary compressor?

- A) LP Liquid
- B) HP Vapour
- C) HP Liquid
- D) LP Vapour

Answer: B) HP Vapour

13. What is the name of the point at which all the weight of the body concentrated?

- A) Centroid
- B) Initial point
- C) Centre of gravity
- D) Central point

Answer: C) Centre of gravity

14. What is the formula to find out the synchronous speed of induction motor?

- A) $N_s = (150P/f)$
- B) $N_s = (150f/P)$
- C) $N_s = (120P/f)$
- D) $N_s = (120f/P)$

Answer: D) $N_s = (120f/P)$

15. Where the centre of gravity of a circle lies?

- A) Any where on its radius
- B) At its centre
- C) Any where on its diameter
- D) Any where on its circumference

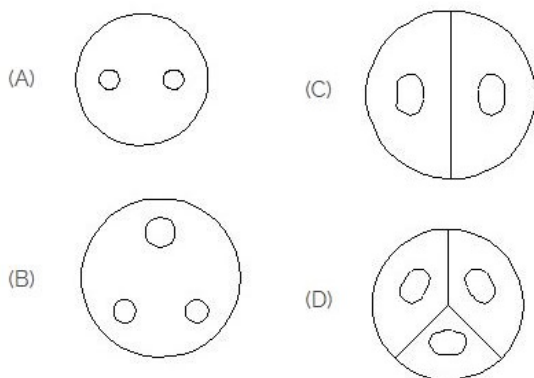
Answer: B) At its centre

16. Which type of compressor is used for domestic refrigerator?

- A) Centrifugal compressor
- B) Open type compressor
- C) Hermetic compressor
- D) Semi sealed compressor

Answer: C) Hermetic compressor

17. Identify the 3 pin socket. | 3 ಪಿನ್ ಸಾಕೆಟ್ ಅನ್ನು ಗುರುತಿಸಿ.



- A) D
- B) A
- C) C
- D) B

Answer: D) B

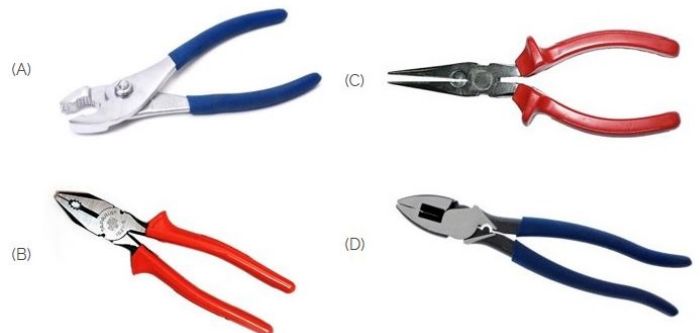
18. Which state of equilibrium's example is A cone resting on

its tip?

- A) Neutral
- B) Horizontal
- C) Unstable
- D) Stable

Answer: C) Unstable

19. Which is nose pliers? | ನೋಸ್ ಪ್ಲೈಯರ್ ಯಾವುದು?



- A) C
- B) A
- C) D
- D) B

Answer: A) C

20. What is the revolving part of induction motor?

- A) Winding
- B) Rotor
- C) Stator
- D) Relay

Answer: B) Rotor

21. Which movement of the scroll compresses the low pressure vapour in scroll compressor?

- A) Rotating
- B) Centrifugal
- C) Orbital
- D) Reciprocating

Answer: C) Orbital

22. Which winding is made of thin wire in single phase motor?

- A) Main
- B) Series
- C) Running
- D) Starting

Answer: D) Starting

23. What is the advantage of a hermetically sealed compressor in refrigerator?

- A) Silent operation
- B) Noise is more
- C) Cost is high
- D) Easily serviceable

Answer: A) Silent operation

24. What is the use of suction baffle in a scroll compressor?

- A) Increase noise of compressor
- B) Reduce capacity of compressor
- C) Allow liquid to enter into compressor
- D) Reduce noise of compressor

Answer: D) Reduce noise of compressor

25. Which winding is made of thick wire in single phase

induction motor?

A) Running

B) Starting

C) Auxiliary

D) Additional

Answer: A) Running
